



<b>TITLE: Product/Process Change Notice - Add HHGrace as an additional wafer supplier for certain MOSFET products</b>			
<b>RELEASE DATE: 2024-01-23</b>		<b>OWNER DEPARTMENT: Product &amp; Test</b>	
<div>REVISION HISTORY</div> <div>(The original approval sheet is kept in DCC)</div>			
REVISION	RELEASE DATE	AUTHOR	DESCRIPTION OF CHANGES
A	2024-01-23	Qingqing Xiao	original

## PROCESS CHANGE NOTIFICATION

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**Add HHGrace as an additional wafer supplier for  
certain MOSFET products**

PCN #

CN-00477A

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Dear Valued Customer,

This Product Change Notification (PCN) contains advance information about changes we are planning to make to products that you have purchased within the last two years.

We are going to assign more wafer types for fabrication at the Shanghai Huahong Grace Semiconductor Manufacturing Corporation (hereinafter refer to as HHGrace) for certain MOSFET products. HHGrace is our qualified Wafer Foundry for over twenty years. The involved products are listed in the appendix. There is no change in datasheet specifications.

Please acknowledge receipt of this PCN within 30 days by signing in at <http://www.aosmd.com/quality/pcn> or sending the enclosed Acknowledgement Form to your local AOS Sales Representative.

Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.

If you have any questions regarding this change notice, please contact your local AOS Sales Representative.  
<http://www.aosmd.com/contact>

Sincerely,

CK OH

Senior Vice President of Quality

Alpha and Omega Semiconductor

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## Process Change Notification

<b>PRODUCT CATEGORY</b>  MOSFET	<b>PRODUCT(S) AFFECTED</b> Please refer to the affected part list at the end of this PCN. * This PCN extends to all related products that may be released after this PCN.															
<b>TYPE OF CHANGE</b>  Additional wafer manufacturing location																
<b>DESCRIPTION OF CHANGE</b>  Add HHGrace as the new wafer manufacturing location of MOSFET products listed in appendix.																
<b>REASON FOR CHANGE</b>  To increase manufacturing capacity.																
<b>SAMPLE AVAILABILITY</b> See appendix (To obtain samples or production devices, please contact your AOS Sales Representative).	<b>FIRST SHIP DATE</b> Estimated to be from May, 16th, 2024, or earlier upon customer approval.															
<b>METHOD OF IDENTIFICATION</b>  Fab location code "B" will be printed in the packing labels and product marking. For details, please contact your local AOS sales representatives.																
<b>IMPACT OF CHANGE</b>  <b>Form:</b> None <b>Fit:</b> None <b>Function:</b> None <b>Reliability:</b> None <b>Environment:</b> None																
<b>QUALIFICATION / RELIABILITY DATA:</b> a) Reliability Qualification test <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="4">Reliability test plan</th> </tr> <tr> <th colspan="2">Test Item</th> <th>Test Condition</th> <th>Sample Size</th> </tr> </thead> <tbody> <tr> <td rowspan="2" style="text-align: center;">Reliability Test</td> <td style="text-align: center;">HTGB</td> <td style="text-align: center;">1000hrs T=150°C, Vgs=100% Vgsmax</td> <td style="text-align: center;">77*3</td> </tr> <tr> <td style="text-align: center;">HTRB</td> <td style="text-align: center;">1000hrs T=150°C, Vds=100% Vdsmax</td> <td style="text-align: center;">77*3</td> </tr> </tbody> </table>		Reliability test plan				Test Item		Test Condition	Sample Size	Reliability Test	HTGB	1000hrs T=150°C, Vgs=100% Vgsmax	77*3	HTRB	1000hrs T=150°C, Vds=100% Vdsmax	77*3
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b) Parametric benchmark report Please contact your local AOS Sales Representative if you require the qualification data																
<b>PCN RESPONSE:</b> Please acknowledge receipt of this PCN within 30 days of delivery Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.	<b>AOS CONTACTS:</b> Please contact your local AOS Sales Representative <a href="http://www.aosmd.com/contact/">http://www.aosmd.com/contact/</a>															

**Appendix: Affected Product List**

Part number	Estimated sample available date	Estimated completion date of qualification	Remark
AOD21357	Contact Sales for sample schedule	Completed	
AOD21357S	Contact Sales for sample schedule	Completed	
AOD21357S_0C1	Contact Sales for sample schedule	Completed	
AOD21357_0C1	Contact Sales for sample schedule	Completed	
AOI21357	Contact Sales for sample schedule	Completed	
AOI21357_0C1	Contact Sales for sample schedule	Completed	
AONR21357	Contact Sales for sample schedule	Completed	
AONR21357S	Contact Sales for sample schedule	Completed	
AONR21357S_2C1	Contact Sales for sample schedule	Completed	
AONR21357_201	Contact Sales for sample schedule	Completed	
AONR21357_2C1	Contact Sales for sample schedule	Completed	
AONR21377	Contact Sales for sample schedule	Completed	
AONR21377_201	Contact Sales for sample schedule	Completed	
AONR21377_2C1	Contact Sales for sample schedule	Completed	
AONS21357	Contact Sales for sample schedule	Completed	
AONS21357S	Contact Sales for sample schedule	Completed	
AONS21357S_2C1	Contact Sales for sample schedule	Completed	
AONS21357_201	Contact Sales for sample schedule	Completed	
AONS21357_2C1	Contact Sales for sample schedule	Completed	

AOSP21357	Contact Sales for sample schedule	Completed	
AOSP21357S	Contact Sales for sample schedule	Completed	
AOSP21357_201	Contact Sales for sample schedule	Completed	
AOSP21357_202	Contact Sales for sample schedule	Completed	
AOSP21357_203	Contact Sales for sample schedule	Completed	
AOSP21357_2C1	Contact Sales for sample schedule	Completed	